

Pulsed NMRON oscillatory free induction decay signals in the angular distribution of gamma radiation from plated⁶⁰Co Fe

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Abstract

Results for an inhomogeneously broadened⁶⁰Co Fe NMRON sample have been obtained for gamma detected single pulse (nutaton) and two pulse (free induction decay) experiments in the region of intermediate-to-low $R(=\omega_1/\Delta)$. Here ω_1 is the angular frequency measure of the strength of the ferromagnetically enhanced RF field at the nucleus and Δ is the HWHM of the inhomogeneously broadened line. Comparisons of the oscillatory FID signals obtained are made with the theoretical predictions of the following paper [6]. © 1993 J.C. Baltzer AG, Science Publishers.

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